

Session Program

15-19 Sept 2025



XV International Symposium on "Radiation from Relativistic Electrons in Periodic Structures "RREPS-25"

***Transition Radiation, Diffraction Radiation,
Cherenkov radiation, and Smith-Purcell Effect***

Tuesday 16 September

15:25

Transition Radiation, Diffraction Radiation, Cherenkov radiation, and Smith-Purcell Effect: Transition Radiation, Diffraction Radiation, Cherenkov radiation, and Smith-Purcell Effect

Session | Convener: Dr Vahan Kocharyan

15:25-15:40

The investigation of the potential for the generation of Cherenkov diffraction radiation using 3D-printed plastic targets

Speaker

Dr Sergei Stuchebrov

15:40-15:55

Longitudinal Beam Diagnostics Based on Super-Radiant Coherent Cherenkov Diffraction Radiation

Speaker

Pavel Karataev

15:55-16:10

Coherent Cherenkov Diffraction Radiation from Short Electron Bunches in Electro-Optic Crystals

Speaker

Alexander Potylitsyn

16:10-16:25

Smith-Purcell radiation in medium for microelectronics

Speaker

Alexey Tishchenko

16:25